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10/812,089	03/30/2004	Hyun-kwon Chung	1793.1238	3099

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EXAMINER	
VU, THONG H	

ART UNIT	PAPER NUMBER
2616	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/812,089	CHUNG ET AL.	
	Examiner	Art Unit	
	Thong H. Vu	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *30 March 2004*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-48* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-48* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *30 March 2004* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *3,5,9/04;8,10/05*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

1. Claims 1-48 are pending.

Claim Rejections - 35 USC § 101

2. the claimed invention is directed to non-statutory subject matter. The language in claims 1-19 are not provide any concrete, useful and tangible results.

Claim Rejections - 35 USC § 102

Claims 1-10, 20-48 are rejected under 35 U.S.C. 102(e) as being anticipated by Bauer et al [Bauer 7,137,072 B2].

3. As per claim 1, Bauer discloses A method for managing an ENAV buffer in an interactive apparatus for use in an interactive mode [Bauer, managing file modified while being viewed in a browser window, col 1 lines 15-20; a negotiation of the interaction between two applications, col 10 lines 51-67], the method comprising:

allocating at least a portion of the ENAV buffer to be an updateable markup area provided for ENAV files on the basis of ENAV buffer configuration information [Bauer, determining whether certain events have occurred, markup, col 10 lines 14-38; buffer configuration, col 14 lines 53-61]; and

loading predetermined ENAV files to be buffered in the ENAV buffer in the allocated updateable markup area [Bauer, managing modified files, col 11 lines 20-36; the determined files, col 25 lines 1-15].

4. As per claim 2, Bauer discloses the allocating comprises allocating the updateable markup area according to memory size information included in the ENAV buffer configuration information [Bauer, size, col 17 line 2].

5. As per claim 3, Bauer discloses the allocating comprises allocating the updateable markup area according to memory names and sizes information included in the ENAV buffer configuration information [Bauer, file name, col 15 lines 7-12].

6. As per claim 4, Bauer discloses the allocating comprises reading the ENAV buffer configuration information recorded in a loading information file, and the loading comprises loading the corresponding ENAV file with reference to information for names and locations of ENAV files recorded in the loading information file [Bauer, file name, col 15 lines 7-12; size, color, type, col 17 lines 1-10; a reference, col 5 line 67].

7. As per claim 5, Bauer discloses the allocating comprises reading the ENAV buffer configuration information recorded in a loading information file using a memory element specifying whether one of the ENAV files is to be buffered in the updateable markup area [Bauer, a modification buffer, col 15 line 2].

8. As per claim 6, Bauer discloses the allocating comprises reading as the ENAV buffer configuration information memory names and sizes recorded in a loading information file using an attribute of a memory element of the loading information file [Bauer, buffer configuration, col 14 lines 53-61].

9. As per claim 7, Bauer discloses the allocating comprises reading a predetermined loading information file with reference to a startup file included in a directory in which the ENAV files are stored [Bauer, an entry in a database, col 14 lines 44-53]; and reading the ENAV buffer configuration information recorded in the read loading information file [Bauer, predetermined parts of the document, the modification indicator, col 13 lines 15-35].

10. As per claim 8, Bauer discloses the loading comprises loading the ENAV files stored on a storage medium into the updateable markup area with reference to names and locations information of the ENAV files recorded in the loading information file [Bauer, name and link, col 20 lines 14-21].

11. As per claim 9, Bauer discloses the loading comprises requesting from a server one of the ENAV files on the basis of name and location information of the ENAV files recorded in the loading information file and loading the one ENAV file provided from the server to the interactive apparatus to be buffered in the updateable markup area [Bauer, a user interacts with server, col 4 line 62-col 5 line 2].

12. As per claim 10, Bauer discloses the allocating comprises displaying an error message (i.e.: event) if no area of the ENAV buffer is allocated, and if the error message is not displayed, not loading the predetermined ENAV files to be buffered in the allocated updateable markup area [Bauer, the event detector, col 7 lines 48-67].

13. As per claim 20, Bauer discloses A computer readable medium encoded with processing instructions for implementing the method of claim 1 performed by a computer [see rejection claim 1].

14. As per claim 21, Bauer discloses the allocating further comprises reading the ENAV buffer configuration information file from a storage medium which stores audio and/or video (AV) data to be reproduced with the ENAV files by the interactive apparatus in the interactive mode [Bauer, video-audio infomration, specialized formats, col 7 lines 20-32].

15. As per claim 22, Bauer discloses detecting from the storage medium a memory element that indicates: a location of the ENAV file as being on another storage medium other than the storage medium from which the AV data is read, and a location of another ENAV file as being on the storage medium, wherein the loading further comprises loading one of the ENAV files determined to be an updateable markup file to be buffered into the allocated updateable markup area of the ENAV buffer, and loading the other one of the ENAV files determined not to be an updateable markup file into another portion of the ENAV buffer other than the updateable markup area and which is not allocated for' the updateable markup file as inherent feature of the event detector.

16. As per claim 23, Bauer discloses the another storage medium is in a server, and the loading further comprises connecting to and retrieving from the server the ENAV file to be loaded in the updateable markup area of the ENAV buffer [Bauer, server 300, Fig 3].

17. As per claim 24 Bauer discloses A method of managing a buffer of a recording and/or reproducing apparatus which reproduces first data and interactive data read from a storage medium in an interactive mode, the method comprising:

allocating the buffer to include an updateable markup area reserved for an updateable type of interactive file and another area for another type of the interactive file using the interactive data read from the storage medium [Bauer, identify the modified file and a link, col 20 lines 14-21; any other data file type, col 17 lines 63-66];

prior to reproducing an interactive file with the first data in the interactive mode, loading an interactive file in the updateable markup area if the interactive file is determined to be the updateable type [Bauer, configured to save the modification file prior to the save operation, col 14 lines 53-61], and loading the interactive file in the another area if the interactive file is determined to be the another type [Bauer, managing modified files, col 11 lines 20-36; the determined type markup files, col 10 lines 14-50].

18. As per claim 25, Bauer discloses determining a size of the updateable markup area using information read from the storage medium [Bauer, size, col 17 lines 1-10].

19. As per claim 26, Bauer discloses the determining the size comprises reading a preset size for the updateable markup area included in the interactive data [Bauer, resizing operation, col 17 lines 1-10].

20. As per claim 27, Bauer discloses the reading the preset size comprises detecting a loading information file with information on the interactive file to be loaded and which is stored on the storage medium, and reading the preset size from the loading information file [Bauer, size, col 17 lines 1-10].

21. As per claim 28, Bauer discloses the determining the size comprises detecting a file system for the interactive data to be read from the storage medium, and determining the size for the updateable markup area from the file system [Bauer, size, col 17 lines 1-10].

22. As per claim 29, Bauer discloses the determining the size comprises receiving the size set by another storage medium from which the interactive file is to be buffered [Bauer, secondary storage, col 7 line 64].

23. As per claim 30, Bauer discloses detecting from the interactive data read from the storage medium a location of the another storage medium, wherein the receiving the size comprises sending a request for the interactive file from the apparatus to the another storage medium at the location, and receiving a response including a content size from the another storage medium [Bauer, the event detector, col 7 lines 48-67].

24. As per claim 31, Bauer discloses the loading the interactive file comprises receiving an indicator in the response which distinguishes the updateable type of the interactive file to be loaded in the updateable markup area and the another type [Bauer, other file type, col 17 line 65].

25. As per claim 32, Bauer discloses the allocating the buffer further comprises detecting a loading information file with information on the interactive file to be loaded and which is stored on the storage medium [Bauer, event detector, col 7 lines 48-67].

26. As per claim 33, Bauer discloses the loading information file includes information on a location of the interactive file to be loaded, and the loading the interactive file comprises loading the interactive file from the location read from the loading information file [Bauer, file name and other identifiers, col 14 lines 1-8].

27. As per claim 34, Bauer discloses the location comprises a location on the storage medium, and the loading the interactive file comprises reading the interactive file from the storage medium at the location [Bauer, Fig 3].

28. As per claim 35, Bauer discloses the location comprises a location on another storage medium, and the loading the interactive file comprises reading the interactive

file from the another storage medium at the location [Bauer, secondary storage, col 7 line 64].

29. As per claim 36, Bauer discloses an another storage medium is disposed in a server, and the loading the interactive file comprises establishing a connection to the server from the apparatus in order to receive the interactive file to be buffered [Bauer, server 300, Fig 3].

30. As per claim 37, Bauer discloses receiving a response from the server indicating that the interactive file is to be buffered in the interactive area and setting a size of the allocated updateable markup area [Bauer, secondary storage, col 7 line 64].

31. As per claim 38, Bauer discloses providing a chat service in the interactive mode using the interactive file buffered in the updateable markup area and the reproduced first data as inherent feature of Internet.

32. As per claim 39, Bauer discloses providing an internet service in the interactive mode using the interactive file buffered in the updateable markup area and the reproduced first data as inherent feature of Internet.

33. As per claim 40, Bauer discloses detecting an order of a plurality of interactive files for use in the interactive mode, and the loading the interactive file comprises loading the interactive file in the buffer using the detected order [Bauer, the event detector, col 7 lines 48-67].

34. As per claim 41, Bauer discloses providing a chat service in the interactive mode using the interactive file buffered in the updateable markup area and the reproduced first data [Bauer, resume editing, col 9 line 34; reload, col 15 line 44].

35. As per claim 42, Bauer discloses providing an Internet service in the interactive mode using the interactive file buffered in the updateable markup area and the reproduced first data [Bauer, Internet, col 9 line 15].

36. As per claim 43, Bauer discloses detecting if the interactive file has been updated as compared to the interactive file currently loaded, and if the interactive file has been updated, loading the updated interactive file in the updateable markup area to replace the interactive file currently loaded in the updateable markup area [Bauer editing file, col 9 lines 23-40].

37. As per claim 44, Bauer discloses the interactive file (i.e.: html page) and the updated interactive file are loaded from another storage medium connected to the buffer and other than the storage medium having the first data [Bauer, markup, col 10 lines 14-50].

38. As per claim 45, Bauer discloses the first data includes an image [Bauer, image, col 14 line 11], and further comprising displaying the image in a first area of a display with the reproduced interactive file being displayed in a second area of the display [Bauer, resume editing, col 9 lines 23-40].

39. As per claim 46, Bauer discloses the first data includes a video comprising the image [Bauer, video information, col 7 lines 20-32].

40. As per claim 47, Bauer discloses the first data includes audio data, and further comprising displaying the reproduced interactive file in an interactive display as the audio data is reproduced [Bauer, audio information, col 7 lines 20-32].

41. As per claim 48, Bauer discloses A computer readable medium encoded with processing instructions for implementing the method of claim 24 performed by a computer [see rejection claim 24].

Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bauer et al [Bauer 7,137,072 B2] in view of Hugh [6,166,739].

42. As per claim 11, Bauer discloses A method of managing a buffer for (a chat service in) an interactive device having an ENAV buffer [Bauer, Internet enhanced with further functionality in specialized formats, col 7 lines 20-32], the method comprising:

allocating at least a portion of the ENAV buffer to be an updateable markup area provided for ENAV files on the basis of ENAV buffer configuration information [Bauer, determining whether certain events have occurred, markup, col 10 lines 14-38; buffer configuration, col 14 lines 53-61]; and

loading the ENAV files for the (chat) service in the allocated updateable markup area of the ENAV buffer [Bauer, managing modified files, col 11 lines 20-36].

However Bauer does not explicitly detail a chat service.

It was well-known in the art that Internet services provides an interactive environment such as chat services as taught by Hugh [Hugh, chat software, col 31 lines 44-65; interactive document or html page, col 34 lines 60-66].

Therefore it would have been obvious to an ordinary skill in the art at the time the invention was made to incorporate the chat software as taught by Hugh into the Bauer's apparatus in order to utilize the interaction process via Internet.

Doing so would provide a flexibly distributing information, editing and updating and display data file via Internet.

43. Claims 12-19 contain the identical limitations set forth in claims 2-9. Therefore claims 12-19 are rejected for the same rationale set forth in claims 2-9.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thong H. Vu whose telephone number is 571-272-3904. The examiner can normally be reached on 6:00-3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, *Lynn Feild* can be reached on 571-272-2092. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Thong Vu
Primary Examiner

THONG VU
PRIMARY PATENT EXAMINER